

# Elton Xavier Joseph Costa

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## Work Experience

### Hexcoderz, Vasco da Gama - Goa (Intern)

Developed proficiency in UI/UX fundamentals, Figma, HTML, CSS, and JavaScript.

### Club Mahindra Resort, Varca Beach - Goa (Intern)

improved and maintained hotel guest wireless networks for smooth operation.

### YUVA panaji Website - Goa (Fullstack, Developer)

Led the design and development of the website

Designed and integrated a dashboard to manage content on the website

Sep 2021 - Nov 2021

Project lead

Jun 2022 - Jul 2022

Network Administrator

Apr 2024 - May 2024

Project lead

## Projects

### Axon

- Enables users to submit Study material to generate a quiz of minimum 10 questions, this allows the user to benchmark themselves to know how much they have studied.
- Leveraged GPU Acceleration to speed up response time by 88% (from 50s - 6s)
- Integrated a RAG system, users can ask questions to the document and axon will reply with the most correct and suitable answer from the documents.

<https://github.com/ryzxxn/Axon>

### LeafSync

- Engineered a SQL database management tool which allowed me to make and view updates to my Database in real time, ensuring a Seamless user experience.
- Achieved efficient CPU usage (0.3%) and optimized RAM usage (30-90MB) for enhanced performance.
- Rendering and state-dependent views loads in an instant (90% faster then something like PhpMyAdmin)

<https://github.com/ryzxxn/LeafSync/>

### Personal Image Storage

- Implemented Images/Gifs storage and delivery using the imgBB API for over 10+ users.
- Unlimited Storage, upload up to 32mb/image enough for 90% of images captured by modern camera devices.
- Extended it Privacy and security by implementing Google Authentication

<https://pis.netlify.app/>

### memory-state(State-management npm library)

- Published a npm package in javascript that allows user to Manage, Call, Pass and Clear states that can be used within your application.
- Easy to install by using npm package manager, User friendly syntax.
- Downloaded and used by more than 300 users.

<https://www.npmjs.com/package/memory-state>

## Skills & Other

### Languages

C/C++, Javascript, HTML, CSS, Java, Typescript, Python, PHP, SQL, NoSQL, Shell

### Technical

React.js, Next.js, Express, Three.js, Websockets, flask, AWS, Google Cloud , Docker, Figma, Blender , Photoshop, PremierPro, React Native, Data Structures, AI, Machine Learning, LLM, FastAPI, CLI, CI/CD, Github, Linux, Latex, Data Analysis, Database Design, MongoDB, System Design, Firebase, Auth

### Soft-skills

Leadership, Open, Public Speaking, Prioritization, Analytical Reasoning

## Achievements

### Game Development (reimagined space invaders using Scratch)

- Achieved 3rd place at a game making competitions

### Project Exhibition

- Runner up for a project exhibition, where we displayed our project evergreen (plant, and essentials e-commerce platform),This netted us the attention of a few founder of startup that we later collaborated on how we could play a crucial role in bridging the gap between clients and suppliers by providing a platform to showcase their trades

### API (MISTRAL) LLM running on local-CPU <https://github.com/katanaml/llm-mistral-invoice-cpu> (OpenSource)

- Integrated accessibility and ease of use by replacing CLI (Command Line Interface) with an API

### Hackathon (24h)

- Participated in a Hackathon at Goa College of Engineering Where I first worked on **Axon**,This gave me a great perspective on Time management, how to work in a team, Adapt to new technologies and defining clear Goals and working relentlessly to achieve them

## Education

### Bachelor's Degree in Computer Engineering Fatorda, Goa

Don Bosco College of Engineering

Apr 2022 - May 2025

CGPA: 7.00

### Diploma in Computer Engineering Verna, Goa

Agnel Polytechnic

Jan 2019 - mar 2022

CGPA: 8.00

## Extra Curricular

- Inter-School art competition : Secured 1st place.
- Organized Incarnate an inter-College, School, Diploma Artwork competition,45+ students participated.